

Section II  
Soil and Site Information

Soil Features  
Brookings County, South Dakota

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
Aa: Allivar-----	---	---	---	---	0	---	Low	Moderate	Low
Ar: Arlo-----	---	---	---	---	0	---	High	High	Moderate
AvB: Arvilla-----	---	---	---	---	0	---	Low	Moderate	Low
Ba: Badger-----	---	---	---	---	0	---	High	High	Low
BbA: Barnes-----	---	---	---	---	0	---	Moderate	High	Low
BbB: Barnes-----	---	---	---	---	0	---	Moderate	High	Low
BcB: Barnes-----	---	---	---	---	0	---	Moderate	High	Low
Buse-----	---	---	---	---	0	---	Moderate	Low	Low
BeA: Brandt-----	---	---	---	---	0	---	High	Moderate	Low
BeB: Brandt-----	---	---	---	---	0	---	High	Moderate	Low
Bf: Brookings-----	---	---	---	---	0	---	High	High	Moderate
BgC: Buse-----	---	---	---	---	0	---	Moderate	Low	Low
Barnes-----	---	---	---	---	0	---	Moderate	High	Low
BgD: Buse-----	---	---	---	---	0	---	Moderate	Low	Low
Barnes-----	---	---	---	---	0	---	Moderate	High	Low
BhC: Buse-----	---	---	---	---	0	---	Moderate	High	Moderate
Barnes-----	---	---	---	---	0	---	Moderate	High	Low
BhE: Buse-----	---	---	---	---	0	---	Moderate	High	Moderate
Barnes-----	---	---	---	---	0	---	Moderate	High	Low
BkE: Buse-----	---	---	---	---	0	---	Moderate	Low	Low
Lamoure-----	---	---	---	---	0	---	High	High	Moderate
BoE: Buse-----	---	---	---	---	0	---	Moderate	Low	Low
Langhei-----	---	---	---	---	0	---	Moderate	Moderate	Low
BpD: Buse-----	---	---	---	---	0	---	Moderate	Low	Low
Poinsett-----	---	---	---	---	0	---	High	High	Low
BrD: Buse-----	---	---	---	---	0	---	Moderate	High	Moderate
Poinsett-----	---	---	---	---	0	---	High	High	Low
BsC: Buse-----	---	---	---	---	0	---	Moderate	Low	Low
Singsaas-----	---	---	---	---	0	---	Moderate	High	Low

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		In	In		In	In			
BxE: Buse-----	---	---	---	---	0	---	Moderate	Low	Low
Sioux-----	---	---	---	---	0	---	Low	Low	Low
Ca: Castlewood-----	---	---	---	---	0	---	High	High	High
Ch: Chaska-----	---	---	---	---	0	---	High	High	Low
Cm: Clamo-----	---	---	---	---	0	---	High	High	High
Co: Cubden-----	---	---	---	---	0	---	High	High	Low
Badger-----	---	---	---	---	0	---	High	High	Low
Ct: Cubden-----	---	---	---	---	0	---	High	High	Low
Tonka-----	---	---	---	---	0	---	High	High	Low
DaB: Darnen-----	---	---	---	---	0	---	Moderate	High	Low
DcA: Davis-----	---	---	---	---	0	---	Moderate	Moderate	Low
DcB: Davis-----	---	---	---	---	0	---	Moderate	Moderate	Low
Dm: Dimo-----	---	---	---	---	0	---	High	High	Low
Dn: Divide-----	---	---	---	---	0	---	Moderate	High	Low
DoB: Doland-----	---	---	---	---	0	---	Moderate	High	Moderate
DsA: Doland-----	---	---	---	---	0	---	Moderate	High	Moderate
Svea-----	---	---	---	---	0	---	Moderate	High	Low
EaB: Egan-----	---	---	---	---	0	---	High	High	Moderate
Ethan-----	---	---	---	---	0	---	Moderate	Moderate	Moderate
EeB: Egan-----	---	---	---	---	0	---	High	High	Moderate
Wentworth-----	---	---	---	---	0	---	High	High	Low
Trent-----	---	---	---	---	0	---	High	Moderate	Low
EgA: Egeland-----	---	---	---	---	0	---	Low	Moderate	Low
Embden-----	---	---	---	---	0	---	Moderate	High	Low
EgB: Egeland-----	---	---	---	---	0	---	Low	Moderate	Low
Embden-----	---	---	---	---	0	---	Moderate	High	Low
EnA: Enet-----	---	---	---	---	0	---	Low	Moderate	Low
EsA: Estelline-----	---	---	---	---	0	---	Low	Moderate	Low

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		In	In		In	In			
EsB: Estelline-----	---	---	---	---	0	---	Low	Moderate	Low
EtB: Estelline-----	---	---	---	---	0	---	Low	Moderate	Low
Sioux-----	---	---	---	---	0	---	Low	Low	Low
EvD: Ethan-----	---	---	---	---	0	---	Moderate	Moderate	Moderate
Clarno-----	---	---	---	---	0	---	Moderate	High	Moderate
EwC: Ethan-----	---	---	---	---	0	---	Moderate	Moderate	Moderate
Egan-----	---	---	---	---	0	---	High	High	Moderate
Fa: Fairdale-----	---	---	---	---	0	---	Moderate	Moderate	Low
Fb: Fordtown-----	---	---	---	---	0	---	Low	Moderate	Low
Fc: Fordtown-----	---	---	---	---	0	---	Low	Moderate	Low
Spottswood-----	---	---	---	---	0	---	Moderate	High	Low
FdA: Fordville-----	---	---	---	---	0	---	Low	Moderate	Low
FrB: Fordville-----	---	---	---	---	0	---	Low	Moderate	Low
Renshaw-----	---	---	---	---	0	---	Low	Moderate	Low
Gs: Goldsmith-----	---	---	---	---	0	---	High	Moderate	Low
Hb: Hamerly-----	---	---	---	---	0	---	High	High	Low
Badger-----	---	---	---	---	0	---	High	High	Low
Hc: Hamerly-----	---	---	---	---	0	---	High	High	Low
Cavour-----	---	---	---	---	0	---	Moderate	High	Moderate
Badger-----	---	---	---	---	0	---	High	High	Low
HeA: Hetland-----	---	---	---	---	0	---	Moderate	High	Moderate
HeB: Hetland-----	---	---	---	---	0	---	Moderate	High	Moderate
KrA: Kranzburg-----	---	---	---	---	0	---	High	High	Moderate
Brookings-----	---	---	---	---	0	---	High	High	Moderate
KrB: Kranzburg-----	---	---	---	---	0	---	High	High	Moderate
Brookings-----	---	---	---	---	0	---	High	High	Moderate
La: La Prairie-----	---	---	---	---	0	---	Moderate	Moderate	Low
Lc: La Prairie-----	---	---	---	---	0	---	Moderate	Moderate	Low
Ld: Ladelle-----	---	---	---	---	0	---	High	High	Low

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
Le: Lamo-----	---	---	---	---	0	---	High	High	Low
Lk: Lamoure-----	---	---	---	---	0	---	High	High	Moderate
Lm: Lamoure-----	---	---	---	---	0	---	High	High	Moderate
Rauville-----	---	---	---	---	0	---	High	High	Moderate
LnB: Lanona-----	---	---	---	---	0	---	Moderate	High	Moderate
Swenoda-----	---	---	---	---	0	---	Moderate	High	Moderate
Lo: Lowe-----	---	---	---	---	0	---	High	High	Low
Lr: Lowe-----	---	---	---	---	0	---	High	High	Low
Ludden-----	---	---	---	---	0	---	High	High	Low
Ls: Ludden-----	---	---	---	---	0	---	High	High	Low
Lu: Ludden-----	---	---	---	---	0	---	High	High	Moderate
Ludden-----	---	---	---	---	0	---	High	High	Low
M-W: Miscellaneous Water Areas-----	---	---	---	---	---	---	---	---	---
MaB: Maddock-----	---	---	---	---	0	---	Low	Moderate	Low
Egeland-----	---	---	---	---	0	---	Low	Moderate	Low
MaC: Maddock-----	---	---	---	---	0	---	Low	Moderate	Low
Egeland-----	---	---	---	---	0	---	Low	Moderate	Low
MeA: Maddock-----	---	---	---	---	0	---	Low	Moderate	Low
Embden-----	---	---	---	---	0	---	Moderate	High	Low
Mr: Marysland-----	---	---	---	---	0	---	High	High	Low
Mt: Mcintosh-----	---	---	---	---	0	---	High	High	Low
Badger-----	---	---	---	---	0	---	High	High	Low
Mu: Mcintosh-----	---	---	---	---	0	---	High	High	Low
Lamoure-----	---	---	---	---	0	---	High	High	Moderate
Mw: Minnewaukan-----	---	---	---	---	0	---	Moderate	High	Low
Mz: Moritz-----	---	---	---	---	0	---	High	High	Low
Lamoure-----	---	---	---	---	0	---	High	High	Moderate
Od: Oldham-----	---	---	---	---	0	---	High	Moderate	High

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
Og: Orthents, Gravelly-----	---	In ---	In ---	---	In 0	In ---	Low	Moderate	Low
Or: Orthents, Loamy-----	---	---	---	---	0	---	Moderate	Moderate	Low
Pa: Parnell-----	---	---	---	---	0	---	High	High	Low
PbB: Poinsett-----	---	---	---	---	0	---	High	High	Low
Buse-----	---	---	---	---	0	---	Moderate	Low	Low
Waubay-----	---	---	---	---	0	---	High	High	Low
PbC: Poinsett-----	---	---	---	---	0	---	High	High	Low
Buse-----	---	---	---	---	0	---	Moderate	Low	Low
Waubay-----	---	---	---	---	0	---	High	High	Low
PwA: Poinsett-----	---	---	---	---	0	---	High	High	Low
Waubay-----	---	---	---	---	0	---	High	High	Low
PwB: Poinsett-----	---	---	---	---	0	---	High	High	Low
Waubay-----	---	---	---	---	0	---	High	High	Low
Ra: Rauville-----	---	---	---	---	0	---	High	High	Moderate
Rp: Rauville-----	---	---	---	---	0	---	High	High	Moderate
RsB: Renshaw-----	---	---	---	---	0	---	Low	Moderate	Low
Sioux-----	---	---	---	---	0	---	Low	Low	Low
RSC: Renshaw-----	---	---	---	---	0	---	Low	Moderate	Low
Sioux-----	---	---	---	---	0	---	Low	Low	Low
Rw: Renwash-----	---	---	---	---	0	---	Low	Moderate	Low
SbB: Singsaas-----	---	---	---	---	0	---	Moderate	High	Low
Buse-----	---	---	---	---	0	---	Moderate	Low	Low
ScA: Singsaas-----	---	---	---	---	0	---	Moderate	High	Low
Waubay-----	---	---	---	---	0	---	High	High	Low
ScB: Singsaas-----	---	---	---	---	0	---	Moderate	High	Low
Waubay-----	---	---	---	---	0	---	High	High	Low
ShD: Sioux-----	---	---	---	---	0	---	Low	Low	Low
Renshaw-----	---	---	---	---	0	---	Low	Moderate	Low
ShE: Sioux-----	---	---	---	---	0	---	Low	Low	Low
Renshaw-----	---	---	---	---	0	---	Low	Moderate	Low

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
So: Southam-----	---	---	---	---	0	---	High	High	Low
Sp: Spottswood-----	---	---	---	---	0	---	Moderate	High	Low
SrA: Strayhoss-----	---	---	---	---	0	---	High	Moderate	Low
SrB: Strayhoss-----	---	---	---	---	0	---	High	Moderate	Low
StB: Strayhoss-----	---	---	---	---	0	---	High	Moderate	Low
Maddock-----	---	---	---	---	0	---	Low	Moderate	Low
SvA: Svea-----	---	---	---	---	0	---	Moderate	High	Low
SwA: Swenoda-----	---	---	---	---	0	---	Moderate	High	Moderate
Lanona-----	---	---	---	---	0	---	Moderate	High	Moderate
To: Tonka-----	---	---	---	---	0	---	High	High	Low
Tr: Trent-----	---	---	---	---	0	---	High	Moderate	Low
VaA: Venagro-----	---	---	---	---	0	---	High	High	Moderate
Svea-----	---	---	---	---	0	---	Moderate	High	Low
VaB: Venagro-----	---	---	---	---	0	---	High	High	Moderate
Svea-----	---	---	---	---	0	---	Moderate	High	Low
VbA: Vienna-----	---	---	---	---	0	---	Moderate	High	Moderate
Brookings-----	---	---	---	---	0	---	High	High	Moderate
VbB: Vienna-----	---	---	---	---	0	---	Moderate	High	Moderate
Brookings-----	---	---	---	---	0	---	High	High	Moderate
VnB: Vienna-----	---	---	---	---	0	---	Moderate	High	Moderate
Buse-----	---	---	---	---	0	---	Moderate	Low	Low
VnC: Vienna-----	---	---	---	---	0	---	Moderate	High	Moderate
Buse-----	---	---	---	---	0	---	Moderate	Low	Low
W: Water-----	---	---	---	---	---	---	---	---	---
Wa: Wakonda-----	---	---	---	---	0	---	High	High	Moderate
Chancellor-----	---	---	---	---	0	---	High	High	Moderate
Wb: Waubay-----	---	---	---	---	0	---	High	High	Low
WeA: Wentworth-----	---	---	---	---	0	---	High	High	Low
Trent-----	---	---	---	---	0	---	High	Moderate	Low

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
Wo: Worthing-----	---	---	---	---	0	---	High	High	Moderate